

Product datasheet for **RN216537**

Ppme1 (NM_001191838) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppme1 (NM_001191838) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppme1
Synonyms:	PME-1; RGD1309683
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN216537 representing NM_001191838 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCGGCCCTTGAAAAAGCATGCACCTCGGCCGCTTACCTTCTCGCCCTCCTCTACCCGGCAGCGGGG
 GCAGTCAGAGCGGAGCCAAGATGCGGATGGGCCCTGGAAGGAAGCGGGACTTTACCCCTGTTCCATGGAG
 TCAGTACTTCGAGTCAATGGAAGATGTGGAGGTGGAGAATGAACTGGCAAGGATACTTTTCGAGTTTAC
 AAGAGTGGTTCGAGGGTCCAGTCCTGCTGCTTTCATGGAGGAGGCCATTCTGCCCTTTCCTGGGCAG
 TATTCACGGCAGCAATCATCAGTAGAGTACAGTGTGCGATTGTGGCTCTGGATCTACGAAGCCATGGAGA
 AACTAAAGTCAAGAATTCTGAAGACCTGTCAGCAGAAACAATGGCAAAAGATGTTGGTAATGTGGTGGAA
 GCCATGTATGGCGACCTCCCTCCTCCCGTCATGCTGATTGGGCACAGCATGGGCGGTGCCATTGCAGTAC
 ACACAGCAGCAGCTAACCTGGTGCCAAGCCTTTTGGGTCTTTGTATGATTGATGTTGTGGAAGGTACAGC
 CATGGATGCCCTTAATAGCATGCAGAAATTTCTTACGGGGTCGGCCCAAAACCTTCAAGTCTCTGGAGAAT
 GCTATTGAATGGAGTGTGAAGAGTGGCCAGATTCGAAATCTAGAATCTGCCCCTGTATCCATGGTCGGCC
 AAGTCAACAGTGTGAAGGAATTACAAGTCCAGAAAGTTCCAAATCCATAGTAGAAGGAATCATAGAGGA
 GGAGGAAGAAGATGAAGAAGGAAGTGAAGTCAAGTAAACAAGAGGAAAAAGGAAGACGACATGGAAACCAAG
 AAGGATCATCCATACACCTGGAGAATTGAGCTGGCAAAACAGAGAAGTACTGGGACGGCTGGTTCGAG
 GCTTATCCAATCTCTTTCTAGCTGTCTTATTCCTAAACTGCTGCTCTTGGCAGGTGTTGATAGATTGGA
 TAAAGATCTGACCATAGGCCAGATGCAGGGGAAGTTCAGATGCAGGTCTTACCCAGTGTGGCCATGCA
 GTCCATGAGGATGCCCTGACAAGGTAGCTGAAGCTGTTGCCACTTCTGATCCGACACAGGTTTGCAG
 AGCCCATCGGAGGATTCCAGTGTGTGTTTCTGGCTGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001191838
Insert Size:	1161 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001191838.1, NP_001178767.1</u>
RefSeq Size:	2436 bp
RefSeq ORF:	1161 bp
Locus ID:	361613
UniProt ID:	<u>Q4FZT2</u>
Cytogenetics:	1q32
Gene Summary:	Demethylates proteins that have been reversibly carboxymethylated. Demethylates PPP2CB (in vitro) and PPP2CA. Binding to PPP2CA displaces the manganese ion and inactivates the enzyme (By similarity).[UniProtKB/Swiss-Prot Function]